

What is claimed is:

1. A surge absorber without chips, comprising:

a pair of lead terminals having broadened tips forming  
5 discharge electrodes;

sealing spacers fitted and fixed on lead portions of said  
lead terminals; and

*one piece cylindrical*  
a housing; wherein

said pair of lead terminals each having said sealing spacers  
10 fixed thereon are inserted from open ends on both sides of said  
housing, and the two sealing spacers are fixed airtightly on said  
housing while the discharge electrodes are held in position facing  
one another at a predetermined distance.

15 2. A surge absorber without chips, comprising:

a pair of lead terminals having broadened tips forming  
discharge electrodes;

sealing spacers fitted and fixed on lead portions of said  
lead terminals; and

*one piece cylindrical*  
a housing; wherein

said pair of lead terminals each having said sealing spacers  
20 fixed thereon are inserted from open ends on both sides of said  
housing, and the two sealing spacers are welded on an inside wall  
of said housing while the discharge electrodes are held in position  
25 facing one another at a predetermined distance.

3. The surge absorber without chips defined in Claim 1 ~~or Claim~~

*sub. E'*  
2 wherein:

an air chamber provided in the housing is filled with clean,

dry air, or a mixed gas comprising clean, dry air and an inert gas or hydrogen gas.

4. The surge absorber without chips defined in Claim 3, wherein:  
5 the clean, dry air sealed in the air chamber has a relative humidity of 5% or less, and a degree of cleanliness of 99.99% (0.5  $\mu$ mDOP), which is higher than the degree of cleanliness obtained through filtering normal air.

10 5. The surge absorber without chips defined in Claim 1 ~~or Claim 2~~, wherein:

said sealing spacers have a shape of a sphere or a cylinder with a central fitting through-hole in which the lead portions of the lead terminals are inserted.

15 6. The surge absorber without chips defined in Claim 1 ~~or Claim 2~~, wherein:

the lead terminals are formed of Dumet wires.

20 7. The surge absorber without chips defined in Claim 1 ~~or Claim 2~~, wherein:

the lead terminals are formed of combined lead wires in which portions that weld with the sealing spacers are composed of Dumet wires.

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